

WHAT IS CLAIMED IS:

1. A checking machine for being used in a fabricating process of a display module and checking a position of a tape automated bonding (TAB) region, comprising:

- 5        a main holder having an inclined panel positioned at an inclination  $\beta$  relative to the horizontal, wherein the range of said inclination  $\beta$  is  $0^\circ < \beta \leq 90^\circ$ ;

10        a test plate having a first hollow portion for suiting a size of said display module and a circuit plate disposed around said first hollow portion for suiting said position of said tape automated bonding region; and

      a fixing device for fixing said test plate to said inclined panel, thereby said tape automated bonding region is electrically connected with said circuit plate.

- 15        2. The checking machine according to claim 1, wherein the range of said inclination  $\beta$  is  $20^\circ \leq \beta \leq 60^\circ$ .

      3. The checking mechanism according to claim 1, wherein said test plate further comprises :

20        a supporting plate having said circuit plate thereon and a second hollow portion for receiving said display module; and

      a splint having a third hollow portion for covering on said supporting plate, thereby said display module is clipped between said supporting plate and said splint.

- 25        4. The checking machine according to claim 1, comprising a back light source disposed in said main holder for providing a beam for checking said display module.

5. The checking machine according to claim 1, wherein said fixing device comprises:

a first button for receiving an activation command;

an X-axial pressure-drawing module for moving toward X-axial direction to fix a first end of said test plate in response to said activation command; and

a Y-axial pressure-drawing module for moving toward Y-axial direction to fix a second end of said test plate in response to said activation command.

6. The checking machine according to claim 5, wherein said X-axial pressure-drawing module is one of a pneumatic module and a hydraulic module.

7. The checking machine according to claim 5, wherein said Y-axial pressure-drawing module is one of a pneumatic module and a hydraulic module.

8. The checking machine according to claim 5, wherein one of said X-axial pressure-drawing module and said Y-axial pressure-drawing module is a motor-and-cam module.

9. The checking machine according to claim 5, wherein said fixing device further comprises:

a second button for receiving an angle-regulating command; and

a Z-axial pressure-drawing module for moving toward a Z-axial direction to pivot said inclined panel, thereby regulating said inclination  $\beta$  of said inclined panel relative to said horizontal.

10. The checking machine according to claim 9, wherein said Z-axial pressure-drawing module is one selected from a group of a pneumatic module, a hydraulic module and a motor-and-cam module.

11. The checking machine according to claim 1, wherein an end of said inclined panel is connected to said main holder, and said inclination  $\beta$  is regulated by a pivot of said inclined panel.

12. A checking machine for being used in a fabricating process of a display module and checking a position of a tape automated bonding (TAB) region, comprising:

a main holder having an inclined panel positioned at an inclination  $\beta$  relative to the horizontal, wherein the range of said inclination  $\beta$  is  $0^\circ < \beta \leq 90^\circ$ ;

10 a test plate for supporting said display module; and

a fixing device for fixing said test plate to said inclined panel, thereby said tape automated bonding region is checked,

wherein said fixing device comprises:

a first button for receiving an activation command; and

15 a pressure-drawing device for moving toward said test plate to fix said test plate to said inclined panel.

13. The checking machine according to claim 12, wherein said pressure-drawing device comprises:

an X-axial pressure-drawing module for moving toward X-axial direction to fix a first end of said test plate in response to said activation command; and

a Y-axial pressure-drawing module for moving toward Y-axial direction to fix a second end of said test plate in response to said activation command.

14. The checking machine according to claim 13, wherein said fixing device further comprises:

a second button for receiving an angle-regulating command; and

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a Z-axial pressure-drawing module for moving toward a Z-axial direction to pivot said inclined panel, thereby regulating said inclination  $\beta$  of said inclined panel relative to said horizontal.

15 The checking machine according to claim 12, wherein the range of said inclination  $\beta$  is  $20^{\circ} \leq \beta \leq 60^{\circ}$ .

16 A checking machine for being used in a fabricating process of a display module having a screen and checking a position of a tape automated bonding (TAB) region, comprising:

a main holder having an inclined panel positioned at an adjustable inclination  $\beta$ ;

a test plate having a hollow portion for suiting a size of said display module and a circuit plate disposed around said hollow portion for suiting said position of said tape automated bonding region;

an angle-regulating device for regulating said inclination  $\beta$  until said screen is nearly perpendicular to a line of a user's vision; and

a fixing device for fixing said test plate to said inclined panel, thereby said tape automated bonding region is electrically connected with said circuit plate.